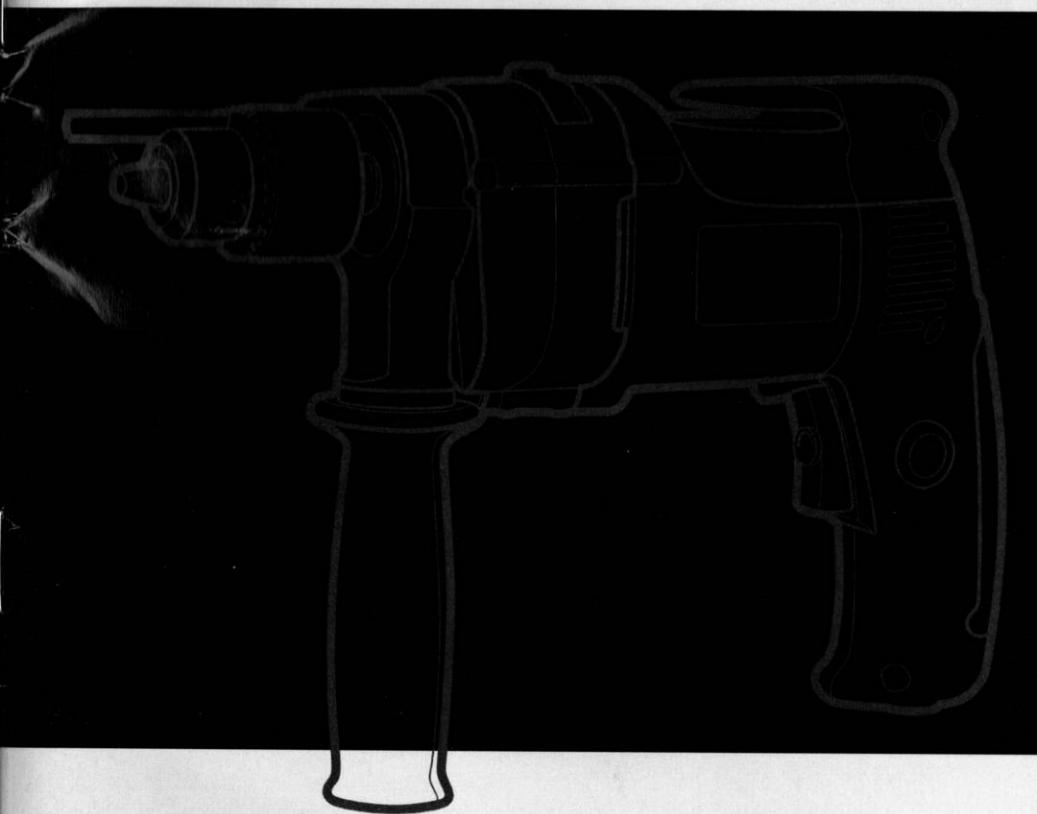




TM

USER

GUIDE



J C B D - H D 3
HAMMER DRILL

JCBD-HD3

HAMMER DRILL

JCB is a byword around the world for quality, innovation and success. With the application of stringent design parameters and utilising high performance, modern materials and manufacturing processes, your **JCB** product has been developed for optimum functionality and practical application.



Please read all of these safety and operating instructions carefully before using this hammer drill. Please pay particular attention to all of the sections of this User Guide that carry warning symbols and notices.

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PRODUCT SPECIFICATION

Model number	JCBD-HD3	2
Rated voltage	230VAC 50Hz	
Input power	800 Watts	
No load variable speed	0 - 2500 rpm	
Forward/reverse switch		
Chuck capacity	1.5 mm - 13 mm	
Drilling capacities	13 mm in steel 16 mm in masonry 30 mm in wood	

PACK CONTENTS



JCBD-HD3 Hammer drill



Secondary handle

Adjustable depth gauge

13 mm chuck key

Moulded carrying/storage case

3 Wood drill bits

3 Masonry bits

3 HSS bits

ELECTRICAL SAFETY

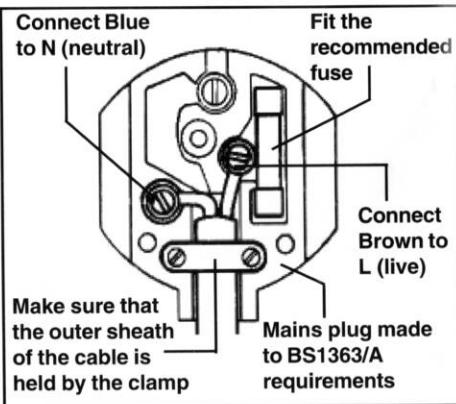
Warning: Read these safety instructions carefully before connecting the hammer drill to the mains supply. Make sure that the voltage of the electricity supply is the same as that indicated on the rating plate on the hammer drill.

This hammer drill may be fitted with a non-rewireable plug. If it becomes necessary to change the fuse in the plug, the fuse cover must be refitted. If the fuse cover is lost or damaged, the plug must not be used until a suitable replacement is fitted. If the plug has to be changed because it is not suitable for your socket, or becomes damaged, it should be cut off and an appropriate plug fitted, following the wiring instructions shown below. The plug that is removed must be disposed of safely. Insertion into a 13 amp socket could cause an electrical hazard. **The wires in the mains lead are coloured in accordance with the following code:-**

Blue = neutral; Brown = live.



If the colours of the wires in the mains lead of the drill do not correspond with the markings on the terminals of your plug proceed as follows. The Blue wire should be connected to the terminal marked N, or coloured Black. The Brown wire should be connected to the terminal marked L, or coloured Red.



Warning: No connection should be made to the earth terminal of the plug. A 13 amp fuse must be fitted. This hammer drill has been designed to operate on 230VAC 50 Hz. Connecting it to any other power source may cause damage to the tool. Do not allow the hammer drill to be exposed to rain or moisture.



This symbol indicates that this tool is Double Insulated and does not require an Earth connection.

SAFETY INSTRUCTIONS



Warning: When using this drill, basic safety precautions, including the following should be observed to reduce the risk of fire, electric shock and personal injury. Make sure that you have read these instructions before using the drill. Keep this user guide in a safe place for future reference.

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KEEP WORK AREA CLEAN - Cluttered work areas invite accidents and injuries.

CONSIDER WORK AREA ENVIRONMENT - Do not expose power tools to rain. Do not use power tools in damp, or wet locations. Keep work area well lit. Never use power tools where there is a risk of fire, or explosion.

KEEP CHILDREN AWAY - Do not allow children to touch the tools. Visitors should be kept away from the work area.

STORE IDLE TOOLS - When not in use, all tools should be stored in a dry, secure place out of the reach of children.

DO NOT FORCE THE TOOL - It will perform better and more safely at the level for which it was designed.

USE THE RIGHT TOOL - Do not force small tools to do the job of a heavy duty tool, or use for purposes for which they were not intended.

DRESS PROPERLY - Do not wear loose clothing, or jewellery that can be caught in moving parts. Tie back long hair and use protective gloves.

SAFETY GLASSES - Use safety glasses, and if appropriate, use dust masks.

PROTECT YOUR EARS - Wear ear protectors.

DO NOT OVERREACH - Keep proper footing and balance at all times.

SECURE THE WORK - Use clamps, or vices to hold the workpiece. It is safer and frees both hands to operate the tool.

MAINTAIN YOUR TOOLS - Keep the accessories sharp and clean. Keep all handles and grips dry and clean.

DISCONNECT TOOLS - Disconnect all tools from the mains supply when not in use, or when making adjustments etc.

ACCESSORIES - Always use the recommended accessories.

REPAIRS - Have the tool repaired by a qualified person.

STAY ALERT - Watch what you are doing.. Use common sense and caution. Never operate tools when you are tired.

DO NOT ABUSE THE MAINS LEAD - Never carry the tool by the mains lead or pull it to disconnect it from the mains socket. Keep the mains lead away from heat, oil and sharp edges.

AVOID UNINTENTIONAL STARTING - Never carry a plugged in tool with a finger on the switch and ensure that the tool is switched off when plugging in to the mains supply



PARTS IDENTIFICATION



1	1.5- 13mm chuck	11	Chuck key storage loop
2	Adjustable depth gauge	12	13 mm chuck key
3	Hammer/drill mode selector	13	Secondary handle
4	Storage clip	14	Secondary handle locking-nut
5	Cooling vents	15	Depth gauge locking-nut
6	Directional control switch	16	Carrying/storage case
7	Variable speed selector dial		
8	On/off variable speed trigger-switch		
9	Lock on button		
10	Mains cable		

OPERATING INSTRUCTIONS

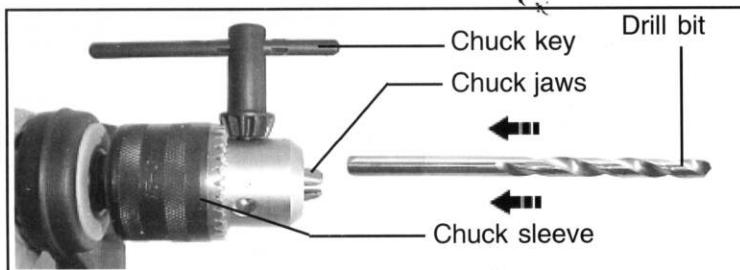


Warning: Make sure that the drill is disconnected from the mains supply before fitting drill bits, or making any adjustments.

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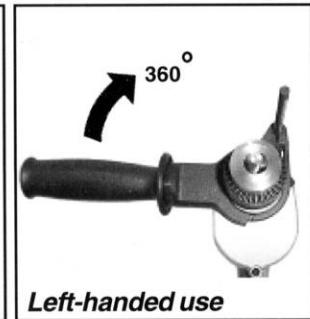
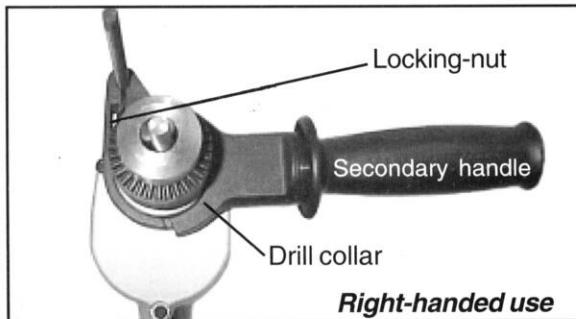
1. INSERTING DRILL BITS

To insert a drill bit, open the chuck jaws by rotating the chuck sleeve anticlockwise until the jaws are open sufficiently to take the drill bit. Place the drill bit in the jaws of the chuck as far as it will go. Insert the chuck key in one of the three holes in the chuck and tighten by turning it in a clockwise direction. Make sure that the head of the chuck key is located on the cog barrel of the chuck when tightening. **Remove the chuck key before operating the drill.** To remove the bit, release the jaws by inserting the chuck key in one of the holes and turning in an anticlockwise direction.



2. FITTING THE SECONDARY HANDLE

The secondary handle is adjustable to suit the user and the position of the workpiece. Right handed users should fit the handle on the left hand side of the drill. Left handed users should fit the handle on the right hand side of the drill. The handle can be rotated to any position through 360°. To fit the secondary handle, position it over the drill collar and turn the locking-nut in a clockwise direction (see below) - do not overtighten. To release the handle, turn the locking-nut anticlockwise.

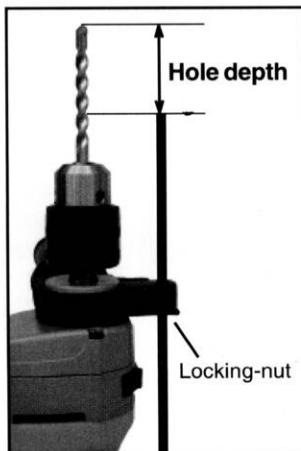


OPERATING INSTRUCTIONS

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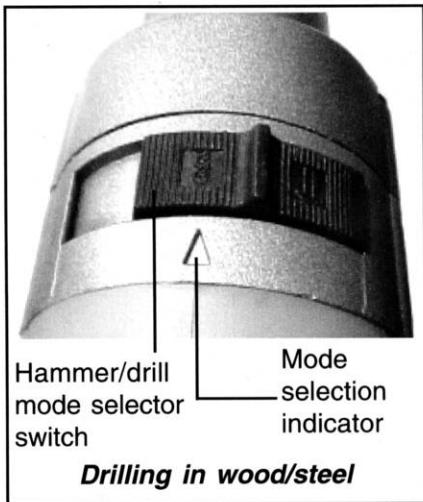
3. SETTING THE ADJUSTABLE DEPTH GAUGE

To set the depth gauge, first fit the drill bit. Push the depth gauge through the hole in the secondary handle until the end of the depth gauge is in line with the tip of the drill bit. Slide the depth gauge back until the distance between the end of the depth gauge and the tip of the drill bit equals the desired hole depth. Tighten the depth gauge by turning the locking-nut clockwise until the gauge is held firmly in place.

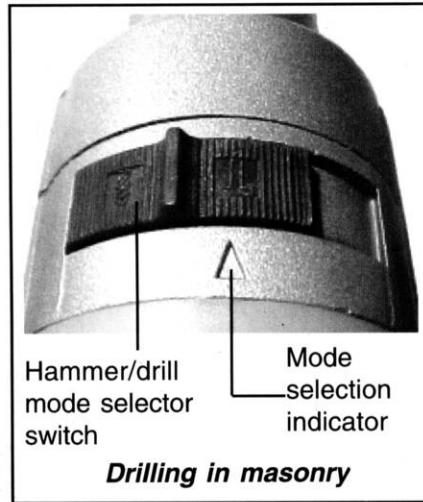


4. SELECTING THE HAMMER/DRILL MODE

The hammer/drill mode selector switch should be set according to the type of material being drilled. For drilling into wood and metal, the hammer/drill mode selector switch should be set to the left hand side of the drill. For drilling into stone and masonry, the hammer/drill mode selector switch should be set to the right hand side of the drill.



Drilling in wood/steel



Drilling in masonry

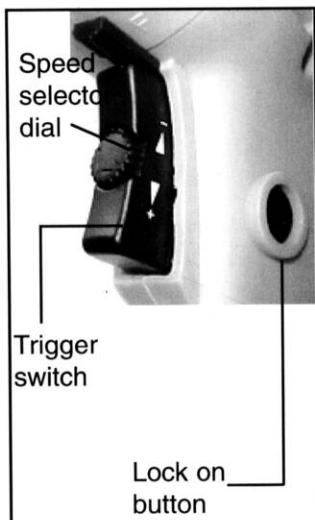


Warning: Wait until the chuck has stopped rotating before changing the drill mode.

OPERATING INSTRUCTIONS

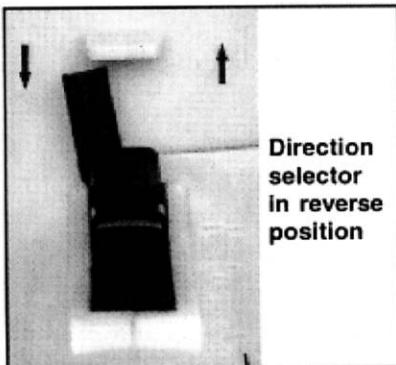
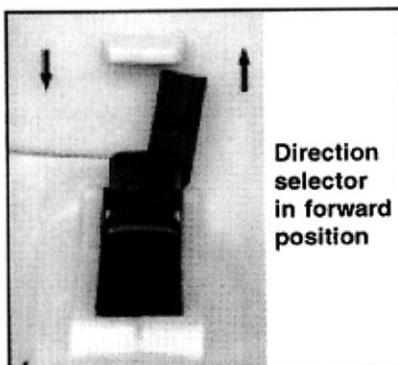
5. OPERATING THE TRIGGER SWITCH

The trigger switch is used to start the drill. It also controls the speed at which it operates. The chuck speed is increased by increasing the pressure on the switch. The chuck speed will increase up to the maximum speed that has been selected by the speed selector dial on the trigger switch. Turn the dial clockwise to increase the speed and anticlockwise to decrease the speed. Release the trigger to switch off. If continuous operation is required, press the lock on button whilst pressing the trigger switch. To switch off when in continuous operation mode, first press the trigger switch fully and then release it.



7. THE DIRECTION CONTROL SWITCH

For normal drilling into wood, metal and masonry, the drill should be operated in the forward direction. If the drill bit jams whilst drilling, release the trigger switch. When the drill has come to a complete stop, move the direction control switch to the reverse position. Operate the trigger switch slowly and the drill bit should then release. Reverse direction should also be used for removing screws.



Warning: Wait until the chuck has stopped rotating before operating the direction selector.

USING THE DRILL

- Always use sharp good quality drill bits. The performance of your drill is dependant on the quality of the bits used.
- Reduce the pressure on the drill bit when it is about to break through. This will prevent the drill from jamming.
- When drilling a large hole, first drill a pilot hole using a smaller drill bit.
- Always apply pressure to your drill bit in a straight line, and if possible at right angles to the workpiece.
- When drilling holes into walls, floors etc., always make sure that there are no live electrical wires in the path of the bit.
- When drilling into metal, the materials being drilled will become hot. To reduce overheating use a suitable cooling lubricant.
- No coolant is necessary when drilling cast-iron or brass as they should be drilled dry.
- To prevent the drill bit from slipping when starting to drill a hole into metal, use a centre punch to make an indentation at the start point.
- When drilling into wood, clamp a piece of scrap wood to the underside of the material in order to avoid splintering.
- Large holes should be drilled with wood augers, flat wood bits, or hole saws.
- Always use both the handle and the secondary handle when operating the drill.
- As a general rule, you should use low speeds for large size drill bits and higher speeds for smaller drill bits.
- Never change the hammer/drill mode, or direction of rotation whilst the drill is in operation.



CLEANING AND MAINTENANCE

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Warning: Make sure that the drill is switched off and disconnected from the mains supply before starting any cleaning or maintenance procedures.

After use, remove the drill bit, open the chuck jaws and tap the side of the chuck to remove any dust or chippings etc. Keep the cooling vents clear. Clean the housing with a soft cloth. Any worn or damaged parts should be replaced by qualified personnel. Keep the handles clean and free from oil and grease. There are no user servicable parts inside this drill. Refer to qualified service personnel if internal maintenance is required. Always store the drill in the carrying case.

SERVICE AND REPAIR

Should the drill require repair during the guarantee period, please return it to the place of purchase. You will need to provide proof of purchase to obtain a free of charge repair or replacement. If the drill should require repair after the guarantee has expired, please contact the Customer Help Line on 0870 0101 100.



ENVIRONMENTAL PROTECTION



Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment.

GUARANTEE

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This product is guaranteed for twelve months from the date of original purchase. Any defect that arises due to faulty materials or workmanship will be repaired free of charge, where possible, during this period by the dealer from whom you purchased it.

The guarantee is subject to the following provisions:

The guarantee is only valid within the boundaries of the country of purchase.

The product must be correctly assembled and operated in accordance with the instructions contained in this User Guide.



The guarantee does not cover accidental damage, misuse or consumable items such as drill bits.

The guarantee will be rendered invalid if the product is resold or has been damaged by inexpert repair.

The manufacturer disclaims any liability for incidental or consequential damages.

The guarantee is in addition to and does not diminish your statutory or legal rights.

Customer Helpline Number: 0870 0101 100



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